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1991 MONTANA COMMERCIAL FERTILIZER REPORT

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This report consists of the following sections:

Fertilizer Analyses. . . Pages 1 - 24

Statistical. . . . . Pages 25 - 28

Abbreviations Used:

Phosphate Denotes P_2O_5 . . . . .Available Phosphoric Acid

Potash Denotes K_2O . . . . . Soluble Potash

ppm . . . . . Parts Per Million

* . . . . . .Deficiency

MANUFACTURER

AG WISE INC
P.O.BOX 109
KREMLIN,MT 59601

LIQUID FERTILIZER — SAMPLED IN KREMLIN — SAMPLE # 4545

ANALYSIS	CLAIMED	FOUND
PHOSPHORUS	10.0%	9.9%

MANUFACTURER

AGRI BASICS CO
1420 MINNESOTA AVE
BILLINGS,MT 59101

BLENDED FERTILIZER FOR BADURA BROTHERS — SAMPLED IN BILLINGS — SAMPLE # 4811

ANALYSIS	CLAIMED	FOUND
NITROGEN	31.25%	30.61%
SULPHUR	5.29%	5.20%

BLENDED FERTILIZER FOR G.S. REITER — SAMPLED IN BILLINGS — SAMPLE # 4206

ANALYSIS	CLAIMED	FOUND
NITROGEN	25.9%	25.9%
PHOSPHORUS	23.3%	25.1%

BLENDED FERTILIZER FOR LARRY STEIGER — SAMPLED IN BILLINGS — SAMPLE # 4817

ANALYSIS	CLAIMED	FOUND
NITROGEN	25.0%	26.1%
PHOSPHORUS	25.0%	23.9% *

CUSTOM BLENDED FERTILIZER FOR G.S. REITER — SAMPLED IN BILLINGS — SAMPLE # 4206

ANALYSIS	CLAIMED	FOUND
NITROGEN	25.9%	25.1%
PHOSPHORUS	23.3%	25.1%

LAWN & GARDEN FERTILIZER — SAMPLED IN BILLINGS — SAMPLE # 4221

ANALYSIS	CLAIMED	FOUND
NITROGEN	20.0%	23.3%
PHOSPHORUS	10.0%	11.4%
POTASH	5.0%	5.2%
ZINC	2.0%	1.8%
IRON	2.0%	2.2%

LIQUID UREA AMMONIUM NITRATE — SAMPLED IN BILLINGS — SAMPLE # 4248

ANALYSIS	CLAIMED	FOUND
NITROGEN	32.0%	30.7%*

AGRI BASICS CO - BILLINGS CONTINUED

BLENDED FERTILIZER FOR KEN SEDER — SAMPLED IN BILLINGS — SAMPLE # 4257

ANALYSIS	CLAIMED	FOUND
NITROGEN	26.6%	26.5%
PHOSPHORUS	16.04%	16.2%
POTASH	1.82%	2.60%

LAWN & GARDEN FERT 16-20-0-14 — SAMPLED IN BILLINGS — SAMPLE # 4804

ANALYSIS	CLAIMED	FOUND
NITROGEN	16.0%	16.7%
PHOSPHORUS	20.0%	20.4%
SULPHUR	14.0%	15.7%

LAWN & GARDEN FERT 28-14-0 — SAMPLED IN BILLINGS — SAMPLE # 4803

ANALYSIS	CLAIMED	FOUND
NITROGEN	28.0%	29.3%
PHOSPHORUS	14.0%	14.2%

MANUFACTURER

AGRI BASICS CO
P.O.BOX 774
LEWISTOWN,MT 59457

BLENDED FERTILIZER FOR FLOYD & GARY JENNI — SAMPLED IN LEWISTOWN — SAMPLE # 4228

ANALYSIS	CLAIMED	FOUND
NITROGEN	25.0%	33.3%
PHOSPHORUS	10.0%	12.5%
SULPHUR	3.0%	5.1%

FERTILIZER FOR WES BUTLER — SAMPLED IN LEWISTOWN — SAMPLE # 4549

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.5%
PHOSPHORUS	52.0%	52.3%

MANUFACTURER

AGRI BASICS CO
P.O.BOX 1279
MILES CITY,MT 59301

BLENDED FERTILIZER FOR TOM HORN — SAMPLED IN MILES CITY — SAMPLE # 4778

ANALYSIS	CLAIMED	FOUND
NITROGEN	28.0%	27.9%
PHOSPHORUS	28.0%	27.3%

MANUFACTURER

AGRI BASICS CO
P.O.BOX '8'
MOORE,MT 59464

BLENDED FERTILIZER FOR ALAN SHAMMAL — SAMPLED IN LEWISTOWN — SAMPLE # 4251

ANALYSIS	CLAIMED	FOUND
NITROGEN	25.5%	25.5%
POTASH	13.0%	14.0%

MANUFACTURER

AGRI BASICS CO

RYEGATE,MT 59074

BLENDED FERTILIZER FOR G.W. MARSTAELLER — SAMPLED IN RYEGATE — SAMPLE # 4256

ANALYSIS	CLAIMED	FOUND
NITROGEN	15.8%	15.2%
PHOSPHORUS	41.1%	43.1%

MANUFACTURER

AGRI BASICS CO
903 EAST MAIN
SIDNEY,MT 59270

SPECIALTY FERTILIZER — SAMPLED IN SIDNEY — SAMPLE # 4290

ANALYSIS	CLAIMED	FOUND
NITROGEN	20.0%	22.4%
PHOSPHORUS	10.0%	14.7%
POTASH	7.0%	7.2%
SULPHUR	4.0%	3.3%
ZINC	2.0%	.05%*

MANUFACTURER

ARTHUR FARMERS ELEVATOR CO
P.O. BOX 145
ARTHUR,ND 58006

KING ARTHUR PELLETED FERTILIZER 30-15-10 — SAMPLED IN MONTANA — SAMPLE # 4291

ANALYSIS	CLAIMED	FOUND
NITROGEN	30.0%	27.3%*
PHOSPHORUS	15.0%	17.4%
POTASH	10.0%	9.5%

MANUFACTURER

CARGILL INC
P.O.BOX 'O'
HARLOWTON,MT 59036

LAWN FERTILIZER — SAMPLED IN LEWISTOWN — SAMPLE # 4250

ANALYSIS	CLAIMED	FOUND
NITROGEN	22.0%	24.5%
PHOSPHORUS	14.0%	15.6%
POTASH	9.0%	8.4%
SULPHUR	5.0%	5.2%

MANUFACTURER

CASCADE FERTILIZER LTD
P.O.BOX 40
STANDARD,ALBT T0J 3G0
CANADA

LIQUID FERTILIZER — SAMPLED IN CONRAD — SAMPLE # 4552

ANALYSIS	CLAIMED	FOUND
NITROGEN	32.0%	32.0%

UREA AMMONIUM NITRATE SOLUTION — SAMPLED IN CONRAD — SAMPLE # 4537

ANALYSIS	CLAIMED	FOUND
NITROGEN	28.0%	27.9%

MANUFACTURER

CENEX
37 AG SERVICES LN.
RONAN,MT 59864

BLENDED FERTILIZER FOR NEIL MCALPIN — SAMPLED IN RONAN — SAMPLE # 4127

ANALYSIS	CLAIMED	FOUND
NITROGEN	17.0%	17.1%
PHOSPHORUS	11.0%	11.1%
POTASH	11.0%	10.9%
SULPHUR	6.0%	7.0%
ZINC	2.0%	1.6%
BORON	1.0%	.58%

MANUFACTURER

CENEX LTD.
55 4th AVE. E.N.
KALISPELL,MT 59901

CENEX LTD. - KALISPELL CONTINUED

BLENDED FERTILIZER FOR BILL KLEINHANS — SAMPLED IN KALISPELL — SAMPLE # 4012

ANALYSIS	CLAIMED	FOUND
NITROGEN	27.5%	26.2%*
SULPHUR	12.0%	15.2%

BLENDED FERTILIZER FOR CHARLES SIDERIUS — SAMPLED IN KALISPELL — SAMPLE # 4013

ANALYSIS	CLAIMED	FOUND
NITROGEN	27.5%	27.5%
SULPHUR	12.0%	13.3%

BLENDED FERTILIZER FOR HENRY GALPIN — SAMPLED IN KALISPELL — SAMPLE # 4014

ANALYSIS	CLAIMED	FOUND
NITROGEN	6.6%	6.5%
PHOSPHORUS	31.2%	31.1%
POTASH	24.8%	27.2%

BLENDED FERTILIZER FOR MYRON MOST — SAMPLED IN KALISPELL — SAMPLE # 4011

ANALYSIS	CLAIMED	FOUND
NITROGEN	12.5%	13.2%
PHOSPHORUS	26.0%	21.3%*
POTASH	10.0%	11.1%
SULPHUR	8.0%	11.1%

MANUFACTURER

CENEX LTD/dba CENEX FARM & HOM
1408 HIGHWAY 93 SOUTH
RONAN,MT 59864

BLENDED FERTILIZER FOR DOUG STIPE — SAMPLED IN RONAN — SAMPLE # 4117

ANALYSIS	CLAIMED	FOUND
NITROGEN	13.0%	14.5%
PHOSPHORUS	13.0%	12.1%*
POTASH	25.0%	19.4%*
SULPHUR	4.0%	7.1%
ZINC	1.0%	0.50%*

BLENDED FERTILIZER FOR MERRETT RANCH — SAMPLED IN RONAN — SAMPLE # 4116

ANALYSIS	CLAIMED	FOUND
NITROGEN	21.0%	21.0%
PHOSPHORUS	9.0%	9.1%
POTASH	16.0%	13.7%*
SULPHUR	7.0%	9.3%

LAWN AND GARDEN FERTILIZER — SAMPLED IN RONAN — SAMPLE # 4122

ANALYSIS	CLAIMED	FOUND
NITROGEN	16.0%	16.2%
PHOSPHORUS	16.0%	16.2%
POTASH	16.0%	16.0%

MANUFACTURER

CENEX SUPPLY
P.O.BOX 1440
MILES CITY,MT 59301

LAWN AND GARDEN FERTILIZER 16-24-8-8-1 — SAMPLED IN SIDNEY — SAMPLE # 4292

ANALYSIS	CLAIMED	FOUND
NITROGEN	16.0%	15.9%
PHOSPHORUS	24.0%	27.2%
POTASH	8.0%	8.3%
SULPHUR	8.0%	8.1%
IRON	1.0%	1.3%

MANUFACTURER

CENEX/ LAND O'LAKES AGRONOMY
P.O.BOX 64089
ST. PAUL,MN 55164

18-46-0 NUWEST DIAMMONIUM PHOSPHATE — SAMPLED IN GLASGOW — SAMPLE # 4498

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	1 9%
PHOSPHORUS	46.0%	46.4%

20.5-0-0-24 ENGRO AMMONIUM SULPHATE — SAMPLED IN MONTANA — SAMPLE # 4762

ANALYSIS	CLAIMED	FOUND
N	20.0%	20.3%
SULPHUR	24.0%	24.6%

46-0-- CFI UREA — SAMPLED IN PEERLESS — SAMPLE # 4500

ANALYSIS	CLAIMED	FOUND
NITROGEN	46.0%	45.9%

AMMONIUM NITRATE — SAMPLED IN MALTA — SAMPLE # 4764

ANALYSIS	CLAIMED	FOUND
NITROGEN	34.0%	34.2%

AMMONIUM SULPHATE — SAMPLED IN RONAN — SAMPLE # 4124

ANALYSIS	CLAIMED	FOUND
NITROGEN	21.0%	20.9%
SULPHUR	24.0%	24.8%

CFI SUPER TRIPLE PHOSPHATE — SAMPLED IN FAIRFIELD — SAMPLE # 4570

ANALYSIS	CLAIMED	FOUND
PHOSPHORUS	46.0%	46.7%

CFI UREA — SAMPLED IN MOORE — SAMPLE # 4224

ANALYSIS	CLAIMED	FOUND
NITROGEN	46.0%	46.0%

CHEVRON DIAMMONIUM PHOSPHATE — SAMPLED IN BILLINGS — SAMPLE # 4235

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	17.9%
PHOSPHORUS	46.0%	46.5%

CHEVRON DIAMMONIUM PHOSPHATE — SAMPLED IN FAIRFIELD — SAMPLE # 4563

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	18.0%
PHOSPHORUS	46.0%	46.6%

CHEVRON MONO AMMONIUM PHOSPHATE 7-20-91 — SAMPLED IN HAVRE — SAMPLE # 4559

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	10.9%
PHOSPHORUS	52.0%	52.5%

CHEVRON MONOAMMONIUM PHOSPHATE — SAMPLED IN GLASGOW — SAMPLE # 4497

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.2%
PHOSPHORUS	52.0%	52.9%

DIAMMONIUM PHOSPHATE 7-20-91 — SAMPLED IN HAVRE — SAMPLE # 4560

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	18.0%
PHOSPHORUS	46.0%	46.8%

LIQUID FERTILIZER — SAMPLED IN RONAN — SAMPLE # 4123

ANALYSIS	CLAIMED	FOUND
POTASH	60.0%	60.9%

MONO AMMONIUM PHOSPHATE — SAMPLED IN RONAN — SAMPLE # 4126

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.3%
PHOSPHORUS	52.0%	52.4%

NU-WEST DIAMMONIUM PHOSPHATE — SAMPLED IN MALTA — SAMPLE # 4763

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	18.2%
PHOSPHORUS	46.0%	47.3%

CENEX/ LAND O'LAKES AGRONOMY - ST. PAUL CONTINUED

NUWEST DIAMMONIUM PHOSPHATE — SAMPLED IN GLASGOW — SAMPLE # 4498

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	17.9%
PHOSPHORUS	46.0%	46.4%

SIMPLOT DIAMMONIUM PHOSPHATE — SAMPLED IN WOLF POINT — SAMPLE # 4484

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	17.9%
PHOSPHORUS	46.0%	46.4%

UREA — SAMPLED IN RONAN — SAMPLE # 4125

ANALYSIS	CLAIMED	FOUND
NITROGEN	46.0%	45.9%

UREA — SAMPLED IN WOLF POINT — SAMPLE # 4483

ANALYSIS	CLAIMED	FOUND
NITROGEN	46.0%	45.9%

UREA CFI — SAMPLED IN GLASGOW — SAMPLE # 4496

ANALYSIS	CLAIMED	FOUND
NITROGEN	46.0%	46.0%

MANUFACTURER

CENEX/LAND O'LAKES AGRONOMY
P.O.BOX 1044
BAKER,MT 59313

BLENDED FERTILIZER FOR DELBERT SCHWEIGERT — SAMPLED IN BAKER — SAMPLE # 4289

ANALYSIS	CLAIMED	FOUND
NITROGEN	24.0%	25.8%
PHOSPHORUS	24.0%	24.0%
POTASH	10.0%	10.0%

BLENDED FERTILIZER FOR TIM FIX — SAMPLED IN BAKER — SAMPLE # 4777

ANALYSIS	CLAIMED	FOUND
NITROGEN	29.0%	27.9% *
PHOSPHORUS	16.0%	14.4% *
POTASH	9.0%	13.6%

MANUFACTURER

CHEM LAWN ATTN: ERIC BELDEN
P.O. BOX 22764
BILLINGS,MT 59104

LIQUID LAWN FERTILIZER — SAMPLED IN BILLINGS — SAMPLE # 4247

ANALYSIS	CLAIMED	FOUND
NITROGEN	3.81%	3.7%

MANUFACTURER

CHEVRON CHEM- FERTILIZER DIV
P.O.BOX 5047
SAN RAMON,CA 94583

MONOAMMONIUM PHOSPHATE 4-1-91 — SAMPLED IN CUTBANK — SAMPLE # 4531

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.2%
PHOSPHORUS	52.0%	52.5%

AMMONIUM NITRATE — SAMPLED IN MOIESE — SAMPLE # 3460

ANALYSIS	CLAIMED	FOUND
NITROGEN	34.0%	34.4%

AMMONIUM NITRATE 34-0-0 — SAMPLED IN HARLOWTON — SAMPLE # 4223

ANALYSIS	CLAIMED	FOUND
NITROGEN	34.0%	34.4%

MONO AMMONIUM PHOSPHATE 11-52-0 — SAMPLED IN HALL — SAMPLE # 4056

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	10.9%
PHOSPHORUS	52.0%	52.0%

MONOAMMONIUM PHOSPHATE — SAMPLED IN LEWISTOWN — SAMPLE # 4227

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.1%
PHOSPHORUS	52.0%	52.4%

MONOAMMONIUM PHOSPHATE 4-1-91 — SAMPLED IN CUTBANK — SAMPLE # 4531

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.2%
PHOSPHORUS	52.0%	52.5%

CHEVRON CHEM- FERTILIZER DIV - SAN RAMON CONTINUED

TRIPLE 16 — SAMPLED IN RONAN — SAMPLE # 4118

ANALYSIS	CLAIMED	FOUND
NITROGEN	16.0%	15.5%
PHOSPHORUS	16.0%	16.3%
POTASH	16.0%	16.0%

MANUFACTURER

CO-OP SERVICE CENTER
P.O.BOX 80363
BILLINGS,MT 59108

BLEND FERTILIZER FOR DIAMOND B RANCH — SAMPLED IN BILLINGS — SAMPLE # 3816

ANALYSIS	CLAIMED	FOUND
NITROGEN	30.5%	30.9%
PHOSPHORUS	10.1%	10.2%

BLENDED FERTILIZER FOR TVETENE TURF — SAMPLED IN BILLINGS — SAMPLE # 4816

ANALYSIS	CLAIMED	FOUND
NITROGEN	14.25%	14.49%
PHOSPHORUS	14.2%	14.5%
POTASH	14.2%	13.9%
SULPHUR	9.76%	12.0%
IRON	1.81%	1.75%

CUSTOM BLEND FERTILIZER FOR DIAMOND B RANCH — SAMPLED IN BILLINGS — SAMPLE # 3816

ANALYSIS	CLAIMED	FOUND
NITROGEN	30.5%	30.9%
PHOSPHORUS	10.1%	10.2%

SPECIALTY FERTILIZER 16-16-16 — SAMPLED IN BILLINGS — SAMPLE # 4807

ANALYSIS	CLAIMED	FOUND
NITROGEN	16.0%	16.3%
PHOSPHORUS	16.0%	16.4%
POTASH	16.0%	16.2%
SULPHUR	4.0%	6.4%
IRON	1.0%	0.8%

MANUFACTURER

COMINCO AMERICAN INC
P.O.BOX 3087
SPOKANE,WA 99220

POTASH — SAMPLED IN MOIESE — SAMPLE # 3457

ANALYSIS	CLAIMED	FOUND
POTASH	60.0%	60.2%

POTASH — SAMPLED IN RONAN — SAMPLE # 4121

ANALYSIS	CLAIMED	FOUND
POTASH	60.0%	60.7%

UREA — SAMPLED IN MOIESE — SAMPLE # 3458

ANALYSIS	CLAIMED	FOUND
NITROGEN	46.0%	46.0%

MANUFACTURER

CONAGRA CHEMICAL FERTILIZER CO
P.O.BOX 176
DUTTON,MT 59433

AMMONIUM NITRATE 34-0-0 — SAMPLED IN DEER LODGE — SAMPLE # 4901

ANALYSIS	CLAIMED	FOUND
NITROGEN	34.0%	34.1%

AMMONIUM SULPHATE — SAMPLED IN RONAN — SAMPLE # 4120

ANALYSIS	CLAIMED	FOUND
NITROGEN	20.5%	20.4%
SULPHUR	24.0%	24.6%

AMMONIUM SULPHATE — SAMPLED IN CUT BANK — SAMPLE # 4533

ANALYSIS	CLAIMED	FOUND
NITROGEN	20.5%	20.5%
SULPHUR	24.0%	24.7%

ENGRO MONOAMMONIUM PHOSPHATE 2-7-91 — SAMPLED IN CUT BANK — SAMPLE # 4532

ANALYSIS	CLAIMED	FOUND
NITROGEN	12.0%	11.9%
PHOSPHORUS	51.0%	51.6%

MONO AMMONIUM PHOSPHATE 8-16-91 — SAMPLED IN FORT BENTON — SAMPLE # 4558

ANALYSIS	CLAIMED	FOUND
NITROGEN	12.0%	12.0%
PHOSPHORUS	51.0%	52.0%

UREA — SAMPLED IN WOLF POINT — SAMPLE # 4481

ANALYSIS	CLAIMED	FOUND
NITROGEN	46.0%	45.9%

MANUFACTURER

EQUITY SUPPLY CO
P.O.BOX 579
KALISPELL,MT 59901

BLENDED FERTILIZER FOR ED SIEVERS — SAMPLED IN KALISPELL — SAMPLE # 4701

ANALYSIS	CLAIMED	FOUND
NITROGEN	6.0%	5.9%
PHOSPHORUS	6.0%	5.2%
POTASH	44.8%	46.3%

BLENDED FERTILIZER FOR PAT WARNER — SAMPLED IN KALISPELL — SAMPLE # 4702

ANALYSIS	CLAIMED	FOUND
NITROGEN	4.9%	5.9%
PHOSPHORUS	23.0%	24.3%
POTASH	26.0%	27.1%
SULPHUR	9.8%	9.0%

MANUFACTURER

FARMERS COOP ELEVATOR CO
PO BOX 955
DENTON,MT 59430

BLENDED FERTILIZER FOR RON BRINKMAN — SAMPLED IN DENTON — SAMPLE # 4254

ANALYSIS	CLAIMED	FOUND
NITROGEN	37.6%	38.4%
PHOSPHORUS	13.8%	13.7%

BLENDED FERTILIZER FOR TERRY KNOX — SAMPLED IN DENTON — SAMPLE # 4252

ANALYSIS	CLAIMED	FOUND
NITROGEN	8.8%	8.7%
PHOSPHORUS	41.6%	41.5%
POTASH	12.4%	14.1%

BLENDED FERTILIZER FOR TERRY KNOW — SAMPLED IN DENTON — SAMPLE # 4252

ANALYSIS	CLAIMED	FOUND
NITROGEN	8.8%	8.7%
PHOSPHORUS	41.6%	41.5%
POTASH	12.4%	14.1%

MANUFACTURER

FARMERS UNION ASSOCIATION
P.O.BOX 385
HARDIN,MT 59034

FARMERS UNION ASSOCIATION - HARDIN CONTINUED

BLENDED FERTILIZER FOR SCIDER BROTHERS — SAMPLED IN HARDIN — SAMPLE # 4258

ANALYSIS	CLAIMED	FOUND
NITROGEN	35.46%	35.67%
PHOSPHORUS	16.56%	17.4%

MANUFACTURER

GRAIN GROWERS INC
PO BOX 1088
GLENDIVE,MT 59330

BLENDED FERTILIZER FOR DON WALKER — SAMPLED IN GLENDIVE — SAMPLE # 4288

ANALYSIS	CLAIMED	FOUND
NITROGEN	6.6%	6.6%
PHOSPHORUS	31.2%	32.0%
POTASH	24.0%	25.2%

MANUFACTURER

GREEN DROP FERTILIZER, LTD
P.O.BOX 237
CARSELAND,ALTA T0J 0M0
CANADA

UREA AMMONIUM NITRATE SOLUTION — SAMPLED IN CONRAD — SAMPLE # 4542

ANALYSIS	CLAIMED	FOUND
NITROGEN	28.0%	27.9%

MANUFACTURER

H.J. BAKER & BRO. INC
423 W FALLBROOK SUITE 105
FRESNO,CA 93711

AMMONIUM SULPHATE — SAMPLED IN MOIESE — SAMPLE # 3454

ANALYSIS	CLAIMED	FOUND
NITROGEN	21.0%	21.0%
SULPHUR	24.0%	24.6%

MANUFACTURER

HARVEST STATES COOPERATIVE
P.O.BOX 138
BROADVIEW,MT 59015

BLENDED FERTILIZER FOR TIM JOHNSON — SAMPLED IN BROADVIEW — SAMPLE # 4222

ANALYSIS	CLAIMED	FOUND
NITROGEN	26.49%	26.6%
PHOSPHORUS	15.7%	16.3%
POTASH	7.88%	7.99%

HARVEST STATES COOPERATIVE - BROADVIEW CONTINUED

BLENDED FERTILIZER FOR TIM JOHNSON CONTINUED

ANALYSIS	CLAIMED	FOUND
SULPHUR	2.6%	3.0%
ZINC	1.4%	1.7%

MANUFACTURER

HI LINE FERTILIZER INC
P.O.BOX 228
HINGHAM,MT 59528

AMMONIUM POLY PHOSPHATE 4-10-91 — SAMPLED IN CONRAD — SAMPLE # 4539

ANALYSIS	CLAIMED	FOUND
NITROGEN	10.0%	9.9%
PHOSPHORUS	34.0%	34.3%

AMMONIUM POLYPHOSPHATE — SAMPLED IN CONRAD — SAMPLE # 4551

ANALYSIS	CLAIMED	FOUND
NITROGEN	10.0%	17.4%
PHOSPHORUS	34.0%	20.4%*

AMMONIUM POLYPHOSPHATE 10-34-0 — SAMPLED IN BILLINGS — SAMPLE # 4802

ANALYSIS	CLAIMED	FOUND
NITROGEN	10.0%	10.2%
PHOSPHORUS	34.0%	33.9%

BLENDED FERTILIZER — SAMPLED IN CONRAD — SAMPLE # 4548

ANALYSIS	CLAIMED	FOUND
NITROGEN	7.0%	6.1%*
PHOSPHORUS	21.0%	21.0%
POTASH	7.0%	4.9%*

LIQUID FERTILIZER 4-9-9i — SAMPLED IN CONRAD — SAMPLE # 4540

ANALYSIS	CLAIMED	FOUND
NITROGEN	7.0%	5.5%*
PHOSPHORUS	21.0%	18.7%*
POTASH	7.0%	5.5%*

POTASH SOLUTION — SAMPLED IN BILLINGS — SAMPLE # 4801

ANALYSIS	CLAIMED	FOUND
POTASH	12.0%	11.5%

MANUFACTURER

HOWE INC

SHAKOPEE,MN 55379

LIQUID FERTILIZER 30-0-1 — SAMPLED IN BILLINGS — SAMPLE # 4249

ANALYSIS	CLAIMED	FOUND
NITROGEN	30.0%	28.9%*
POTASH	1.0%	1.1%

MANUFACTURER

HYPONEX CORP
14310 SCOTTSLAWN ROAD
MARYSVILLE,OH 43041

TOMATO FERTILIZER SPIKES — SAMPLED IN MONTANA — SAMPLE # 4765

ANALYSIS	CLAIMED	FOUND
NITROGEN	10.0%	12.5%
PHOSPHORUS	24.05	27.5%
POTASH	9.0%	9.0%

MANUFACTURER

HYSHAM COMMUNITY ELEVATOR
P.O.BOX 389
HYSHAM,MT 59038

BLENDED FERTILIZER FOR 3N FARMS — SAMPLED IN HYSHAM — SAMPLE # 4806

ANALYSIS	CLAIMED	FOUND
NITROGEN	25.2%	26.1%
PHOSPHORUS	25.3%	25.4%

MANUFACTURER

J.R.SIMPLOT CO
P.O.BOX 912
POCATELLO,ID 83204

18-46-0 DIAMMONIUM PHOSPHATE — SAMPLED IN WOLF POINT — SAMPLE # 4482

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	18.0%
PHOSPHORUS	46.0%	47.0%

AMMONIUM NITRATE 4-2-91 — SAMPLED IN GREAT FALLS — SAMPLE # 4535

ANALYSIS	CLAIMED	FOUND
NITROGEN	34.0%	34.3%

AMMONIUM PHOSPHATE SULPHATE — SAMPLED IN MOIESE — SAMPLE # 3455

ANALYSIS	CLAIMED	FOUND
NITROGEN	16.0%	16.1%
PHOSPHORUS	20.0%	20.1%
SULPHUR	14.0%	15.4%

AMMONIUM PHOSPHATE SULPHATE 6-20-0-15 — SAMPLED IN DEER LODGE — SAMPLE # 4055

ANALYSIS	CLAIMED	FOUND
NITROGEN	16.0%	17.1%
SULPHUR	15.0%	15.4%

DIAMMONIUM PHOSPHATE — SAMPLED IN MOIESE — SAMPLE # 3459

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	18.6%
PHOSPHORUS	46.0%	46.3%

DIAMMONIUM PHOSPHATE — SAMPLED IN FAIRFIELD — SAMPLE # 4549

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	18.4%
PHOSPHORUS	46.0%	47.0%

DIAMMONIUM PHOSPHATE 18-46-0 — SAMPLED IN WOLF POINT — SAMPLE # 4482

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	18.0%
PHOSPHORUS	46.0%	47.0%

DIAMMONIUM PPHOSPHATE — SAMPLED IN GLENDIVE — SAMPLE # 4299

ANALYSIS	CLAIMED	FOUND
NITROGEN	18.0%	18.0%
PHOSPHORUS	46.0%	46.4%

MONO AMMONIUM PHOSPHATE — SAMPLED IN MOIESE — SAMPLE # 3461

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.4%
PHOSPHORUS	52.0%	52.5%

MONOAMMONIUM PHOSPHATE — SAMPLED IN GREAT FALLS — SAMPLE # 4547

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.3%
PHOSPHORUS	52.0%	52.4%

MONOAMMONIUM PHOSPHATE 9-8-91 — SAMPLED IN VALIER — SAMPLE # 4562

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.0%
PHOSPHORUS	52.0%	52.1%

J.R.SIMPLOT CO - POCATELLO CONTINUED

SIMPLOT 28-0-0 — SAMPLED IN FAIRVIEW — SAMPLE # 4781

ANALYSIS	CLAIMED	FOUND
NITROGEN	28.0%	27.8%

SUPER TRIPLE PHOSPHATE — SAMPLED IN RONAN — SAMPLE # 4119

ANALYSIS	CLAIMED	FOUND
PHOSPHORUS	45.0%	45.9%

TRIPLE SUPER PHOSPHATE — SAMPLED IN MOIESE — SAMPLE # 3456

ANALYSIS	CLAIMED	FOUND
PHOSPHORUS	45.0%	46.0%

MANUFACTURER

J.R.SIMPLOT SOIL SERVICE
P.O.BOX 20363
BILLINGS,MT 59104

BLENDED FERTILIZER FOR DON MILLER — SAMPLED IN BILLINGS — SAMPLE # 4261

ANALYSIS	CLAIMED	FOUND
NITROGEN	27.5%	31.0%
ZINC	3.5%	1.6% *

BLENDED FERTILIZER FOR DON MILLER — SAMPLED IN BILLINGS — SAMPLE # 4262

ANALYSIS	CLAIMED	FOUND
NITROGEN	23.0%	25.1%
PHOSPHORUS	7.7%	6.8% *
POTASH	7.7%	7.2%
ZINC	2.1%	1.8%

MANUFACTURER

KALIUM CHEM CORP- DIV P.P.G.
2550 GOLF RD.; 60 GOULD CTR
ROLLING MEADOWS,IL 60008

POTASH — SAMPLED IN BILLINGS — SAMPLE # 4808

ANALYSIS	CLAIMED	FOUND
POTASH	62.0%	62.3%

MANUFACTURER

KERLEY CHEMICAL
RT.2; P.O.BOX 2854
KENNEWICK,WA 99337

AMMONIUM THIOSULFATE — SAMPLED IN CONRAD — SAMPLE # 4553

ANALYSIS	CLAIMED	FOUND
NITROGEN	12.0%	11.9%
SULPHUR	26.0%	26.0%

AMMONIUM THIOSULPHATE 4-6-91 — SAMPLED IN CONRAD — SAMPLE # 4538

ANALYSIS	CLAIMED	FOUND
NITROGEN	12.0%	11.9%
SULPHUR	26.0%	25.6%

MANUFACTURER

LAUREL COOPERATIVE ASSN
P.O.BOX 7
EDGAR,MT 59026

BLENDED FERTILIZER FOR SID TAYLOR — SAMPLED IN EDGAR — SAMPLE # 4810

ANALYSIS	CLAIMED	FOUND
PHOSPHORUS	7.8%	7.2%
NITROGEN	31.3%	32.0%

CUSTOM BLEND FOR HERGETT BROS — SAMPLED IN EDGAR — SAMPLE # 4809

ANALYSIS	CLAIMED	FOUND
NITROGEN	34.0%	34.2%

MANUFACTURER

LESCO INC
P.O. BOX 16915
ROCKY RIVER,OH 44116

LAWN FERTILIZER 34-3-8-6.5 — SAMPLED IN BILLINGS — SAMPLE # 4234

ANALYSIS	CLAIMED	FOUND
NITROGEN	34.0%	29.7%*
PHOSPHORUS	3.0%	3.3%
POTASH	8.0%	13.5%
SULPHUR	6.5%	8.2%

MANUFACTURER

LEWISTOWN PROPANE GAS & FERT
PO BOX 1041
DENTON,MT 59430

BLENDED FERTILIZER FOR RON FULBRIGHT — SAMPLED IN DENTON — SAMPLE # 4253

ANALYSIS	CLAIMED	FOUND
NITROGEN	36.09%	37.2%
PHOSPHORUS	1.1%	1.3%
SULPHUR	8.07%	8.29%

MANUFACTURER

MIRACLE GREEN LAWN CARE
P.O. BOX 80043
BILLINGS,MT 59108

LIQUID LAWN FERTILIZER — SAMPLED IN BILLINGS — SAMPLE # 4229

ANALYSIS	CLAIMED	FOUND
NITROGEN	3.0%	2.0%*

MANUFACTURER

MON-KOTA INC
P.O.BOX 487
FAIRVIEW,MT 59221

9-27-0 — SAMPLED IN FAIRVIEW — SAMPLE # 4780

ANALYSIS	CLAIMED	FOUND
NITROGEN	9.0%	8.9%
PHOSPHORUS	27.0%	26.7%

MANUFACTURER

MOORE FARMERS OIL CO
P.O.BOX 6
MOORE,MT 59464

BLENDED FERTILIZER FOR JOE WECHMAN — SAMPLED IN MOORE — SAMPLE # 4225

ANALYSIS	CLAIMED	FOUND
NITROGEN	13.83%	14.07%
PHOSPHORUS	33.92%	34.1%
SULPHUR	8.48%	9.48%

BLENDED FERTILIZER FOR LES MELCHAR — SAMPLED IN MOORE — SAMPLE # 4226

ANALYSIS	CLAIMED	FOUND
NITROGEN	32.7%	33.0%
PHOSPHORUS	21.85%	21.87%

MANUFACTURER

NATIONAL PRODUCTS DIV/VISTA
P.O. BOX 1701
LAPORTE,IN 46350

GREENAID 4-1-3 ALL PURPOSE PLANT FOOD — SAMPLED IN MONTANA — SAMPLE # 4295

ANALYSIS	CLAIMED	FOUND
NITROGEN	4.0%	3.9%
PHOSPHORUS	1.0%	1.1%
POTASH	3.0%	3.3%

MANUFACTURER

NEW LIFE CO
P.O.BOX 164
GRASS RANGE,MT 59032

NEW LIFE SOIL AMENDMENT — SAMPLED IN GRASS RANGE — SAMPLE # 4219

ANALYSIS	CLAIMED	FOUND
SULPHUR	8.0%	8.7%
IRON	.24%	.49%

MANUFACTURER

NITRO GREEN ATTN: ARNE
P.O. BOX 21634
BILLINGS,MT 59104

LIQUID LAWN FERTILIZER — SAMPLED IN BILLINGS — SAMPLE # 4232

ANALYSIS	CLAIMED	FOUND
NITROGEN	2.9%	2.8%

MANUFACTURER

NU-WEST IND. INC
8400 E.PRENTICE AVE, STE 1320
ENGLEWOOD,CO 80111

MONO AMMONIUM PHOSPHATE — SAMPLED IN MOORE — SAMPLE # 4255

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.1%
PHOSPHORUS	52.0%	52.4%

MONO AMMONIUM PHOSPHATE — SAMPLED IN KREMLIN — SAMPLE # 4544

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.2%
PHOSPHORUS	52.0%	52.4%

NU-WEST IND. INC - ENGLEWOOD CONTINUED

MONO AMMONIUM PHOSPHATE 7-91 — SAMPLED IN FORT BENTON — SAMPLE # 4557

ANALYSIS	CLAIMED	FOUND
NITROGEN	52.0%	52.9%
PHOSPHORUS	52.0%	52.9%

MONOAMMONIUM PHOSPHATE — SAMPLED IN GREAT FALLS — SAMPLE # 4536

ANALYSIS	CLAIMED	FOUND
NITROGEN	11.0%	11.3%
PHOSPHORUS	52.0%	52.9%

MANUFACTURER

PACIFEX INC
P.O.BOX 1070
BLACKFOOT,ID 83221

LIQUID FERTILIZER — SAMPLED IN RONAN — SAMPLE # 4128

ANALYSIS	CLAIMED	FOUND
NITROGEN	5.0%	5.8%
PHOSPHORUS	10.0%	10.3%
POTASH	10.0%	9.8%
SULPHUR	2.0%	2.5%

LIQUID FERTILIZER — SAMPLED IN RONAN — SAMPLE # 4129

ANALYSIS	CLAIMED	FOUND
NITROGEN	21.0%	20.9%

MANUFACTURER

POTASH CORP OF SASKATCHEWAN
122 1st AVE. S. SUITE 500
SASKATOON,SASK S7K 7G3
CANADA

POTASH 2-27-91 — SAMPLED IN CUT BANK — SAMPLE # 4534

ANALYSIS	CLAIMED	FOUND
POTASH	62.0%	62.5%

MANUFACTURER

PRO COOP AG CENTER
BOX 486
PEERLESS,MT 59253

BLENDED FERTILIZER FOR SAM GUNDERMAN — SAMPLED IN PEERLESS — SAMPLE # 4499

ANALYSIS	CLAIMED	FOUND
NITROGEN	35.0%	35.4%
PHOSPHORUS	17.5%	17.9%

MANUFACTURER

SELSTAD SOIL SERVICE
R.R. 5045
GREAT FALLS,MT 59401

AMMONIUM POLY PHOSPHATE — SAMPLED IN GREAT FALLS — SAMPLE # 4546

ANALYSIS	CLAIMED	FOUND
NITROGEN	10.0%	9.9%
PHOSPHORUS	34.0%	35.3%

LAWN FERTILIZER — SAMPLED IN GREAT FALLS — SAMPLE # 4550

ANALYSIS	CLAIMED	FOUND
NITROGEN	4.5%	3.8%*

MANUFACTURER

SHERRITT FERTILIZER INC
7017 N.E.HIGHWAY 99, SUITE 106
VANCOUVER,WA 98665

AMMONIUM SULPHATE — SAMPLED IN BILLINGS — SAMPLE # 4263

ANALYSIS	CLAIMED	FOUND
NITROGEN	21.0%	21.0%
SULPHUR	24.0%	24.8%

UREA — SAMPLED IN BILLINGS — SAMPLE # 4805

ANALYSIS	CLAIMED	FOUND
NITROGEN	46.0%	46.0%

MANUFACTURER

SUPER GRO OF IOWA
P.O.BOX 126
APLINGTON,IA 50604

FERTILIZER — SAMPLED IN FORSYTH — SAMPLE # 4218

ANALYSIS	CLAIMED	FOUND
NITROGEN	10.0%	10.2%
PHOSPHORUS	26.0%	29.4%
POTASH	5.0%	5.6%
SULPHUR	4.0%	7.0%

MANUFACTURER

THE CHAS. H. LILLY CO
7737 N.E. KILLINGSWORTH
PORTLAND,OR 97218

R[illegible]REEN LAWN FOOD 20-2-5 — SAMPLED IN BILLINGS — SAMPLE # 4231

ANALYSIS	CLAIMED	FOUND
NITROGEN	20.0%	20.0%
PHOSPHORUS	2.0%	2.2%
POTASH	5.0%	5.0%
SULPHUR	19.0%	20.8%

ROSE & FLOWER FOOD — SAMPLED IN MONTANA — SAMPLE # 4766

ANALYSIS	CLAIMED	FOUND
NITROGEN	5.0%	5.8%
PHOSPHORUS	8.0%	10.8%
POTASH	8.0%	8.9%

ULTRA GREEN LAWN FOOD 20-2-4 — SAMPLED IN BILLINGS — SAMPLE # 4230

ANALYSIS	CLAIMED	FOUND
NITROGEN	20.0%	19.4%
PHOSPHORUS	2.0%	4.0%
POTASH	4.0%	4.6%
SULPHUR	15.0%	15.5%
IRON	2.0%	3.5%

MANUFACTURER

TRI-ANGLE AG SUPPLY
P.O.BOX 1426
CONRAD,MT 59425

LIQUID FERTILIZER — SAMPLED IN CONRAD — SAMPLE # 4541

ANALYSIS	CLAIMED	FOUND
NITROGEN	8.0%	8.1%
SULPHUR	9.0%	8.9%

LIQUID FERTILIZER 4-10-91 — SAMPLED IN CONRAD — SAMPLE # 4543

ANALYSIS	CLAIMED	FOUND
NITROGEN	20.0%	20.1%
PHOSPHORUS	12.0%	12.1%
POTASH	3.0%	2.9%

MANUFACTURER

WESTLAND SEED & SUPPLY CO
1308 ROUND BUTTE ROAD WEST
RONAN,MT 59864

WESTLAND SEED & SUPPLY CO - RONAN CONTINUED

BLENDED FERTILIZER FOR LARRY KRIEN — SAMPLED IN RONAN — SAMPLE # 4114

ANALYSIS	CLAIMED	FOUND
NITROGEN	4.5%	5.2%
PHOSPHORUS	23.5%	25.8%
POTASH	28.5%	27.6%
ZINC	1.0%	1.6%
BORON	.38%	.29%

BLENDED FERTILIZER FOR LEONARD HAACK — SAMPLED IN RONAN — SAMPLE # 4115

ANALYSIS	CLAIMED	FOUND
NITROGEN	4.5%	5.2%
PHOSPHORUS	12.0%	13.6%
POTASH	20.0%	19.4%
SULPHUR	6.0%	6.3%

1991 FERTILIZER ANALYSIS BREAKDOWN
FERTILIZER SAMPLING

Nutrient	# Analyzed	# Deficient	% Deficient
Nitrogen	130	10	7.7
Phosphate	95	7	7.4
Potash	46	4	8.7
Sulfur	36	-	-
Iron	6	-	-
Zinc	8	3	37.5
Boron	2	-	-
Total	271	23	8.5

Year	# Samples Taken	# Samples Deficient	Deficient
1977	448	32	7.1
1978	533	30	5.6
1979	365	21	5.7
1980	506	27	5.3
1981	428	24	5.1
1982	607	41	6.7
1983	558	50	8.9
1984	379	58	15.3
1985	368	55	14.9
1986	228	43	18.9
1987	175	25	14.3
1988	228	18	7.9
1989	128	17	13.3
1990	154	31	20.1
1991	142	18	12.7

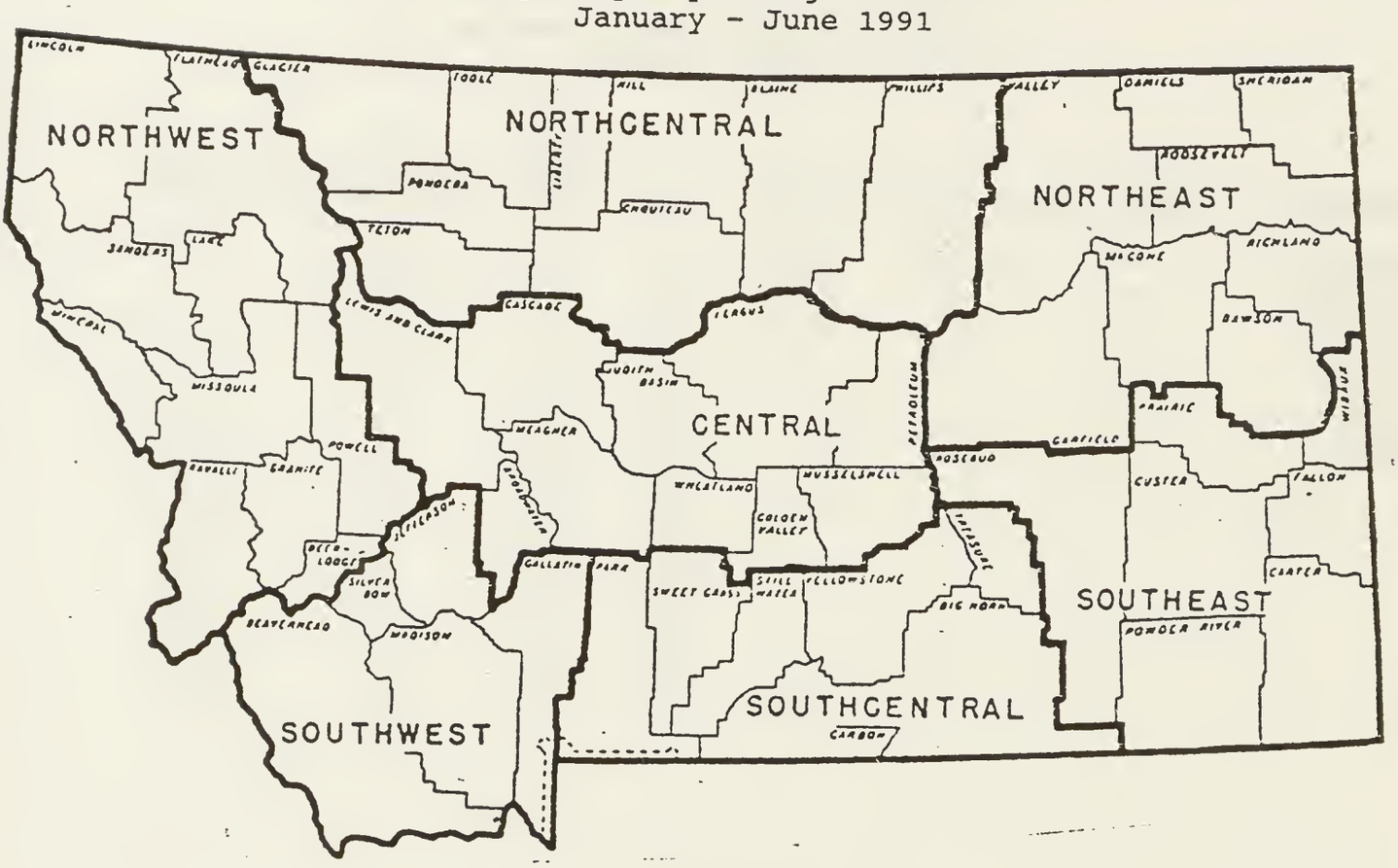
FERTILIZER TONNAGE

YEAR	TONNAGE
1972	226,939
1973	268,061
1974	219,197
1975	170,324
1976	283,925
1977	259,211
1978	301,487
1979	324,838
1980	295,958
1981	363,295
1982	384,387
1983	447,407
1984	406,567
1985	325,887
1986	337,626
1987	393,505
1988	279,616
1989	395,033
1990	387,583
1991	368,868

FERTILIZER AND FERTILIZER MATERIAL SOLD IN MONTANA

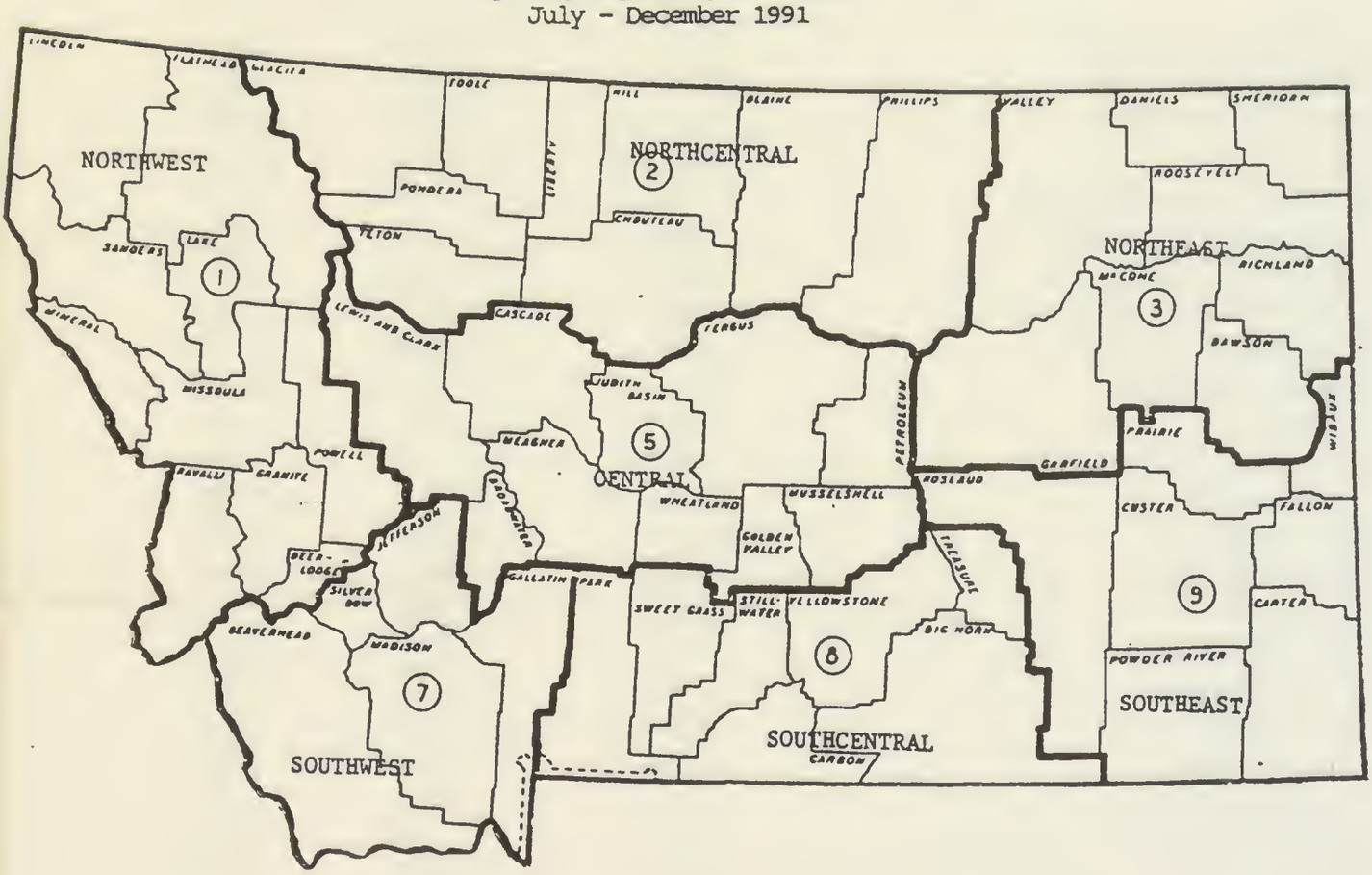
By Crop Reporting Districts

January - June 1991



STATEWIDE TOTAL	SOUTH WEST	NORTH WEST	SOUTH CENTRAL	CENTRAL	NORTH CENTRAL	SOUTH EAST	NORTH EAST	TOTALS
Anhydrous Ammonia	438	703	196	3388	7391	381	106	12604
Ammonium Nitrate	10242	3544	12943	5069	8471	788	56	41114
Ammonium Sulfate	2105	1820	767	747	2091	42	1126	8697
Urea	1624	1336	3522	11474	13637	1349	4699	37640
Ammonium Thiosulfate	0	24	0	25	37	0	0	86
Nitrogen Sols. 32%	104	304	576	122	416	0	354	1877
Nitrogen Sols. 28%	0	686	0	198	150	0	385	1420
Phosphorus Materials	209	74	241	1198	1647	0	1	3368
Phosphoric Acid	0	0	371	54	1680	0	60	2164
Potash Material	2561	2168	2193	2440	5818	844	1447	17472
Sulfur	60	63	34	14	88	5	5	270
Sulfuric Acid	0	0	208	0	103	0	0	311
DAP	1269	499	3818	2072	2971	1509	5506	17644
MAP	6821	1839	4872	5736	18293	1229	2889	41678
APS	1028	2425	717	1118	610	0	44	5942
10-34-0	46	0	20	405	1497	0	104	2073
2-1-0 Ratio	5	76	10	2147	1969	0	3	4210
1-1-0 Ratio	0	0	6	983	667	0	25	1681
1-1-1 Ratio	5	392	4	2	400	0	386	1189
Other Blend	9	520	524	965	54	37	33	2142
Micronutrients	5	29	65	71	34	20	32	257
Gypsum/Lime	0	118	27	0	0	16	6	166
Compost	0	703	700	700	0	0	0	2103
TOTALS	26531	17323	31814	38929	68023	6219	17266	206105

FERTILIZER AND FERTILIZER MATERIAL SOLD IN MONTANA
by Crop Reporting Districts
July - December 1991



STATEWIDE TOTAL	SOUTH WEST	NORTH WEST	SOUTH CENTRAL	CENTRAL	NORTH CENTRAL	SOUTH EAST	NORTH EAST	TOTALS
Anhydrous Ammonia	158	51	2471	9469	21294	471	288	34202
Ammonium Nitrate	2389	910	2572	1773	1483	458	245	9830
Ammonium Sulfate	818	742	243	100	917	51	187	3058
Urea	1718	591	4918	4371	10527	1010	2221	25356
Ammonium Thiosulfate	12	0	0	11	344	0	0	367
Nitrogen Sols. 32%	183	422	86	1705	1681	0	0	4077
Nitrogen Sols 28%	0	0	310	206	227	33	1328	2104
Phosphorus Materials	171	40	74	6	1414	0	10	1715
Phosphoric Acid	0	0	74	266	1336	0	0	1676
Potash Material	1180	504	768	974	1990	694	1360	7470
Sulfur	15	38	68	1	94	1	10	227
Sulfuric Acid	0	0	50	0	26	0	0	76
DAP 18-46-0	1191	242	4981	2626	3179	1030	5494	18743
MAP 11-52-0	2736	836	2477	8000	19505	1244	4032	38830
APS 16-20-0	587	538	560	199	336	0	62	2282
10-34-0	18	24	10	334	1197	0	0	1583
2-1-0 Ratio	510	4	4	2660	1044	0	25	4247
1-1-0 Ratio	0	0	0	637	720	0	0	1357
1-1-1 Ratio	24	228	5	648	1015	3	0	1923
Other Blend	4	58	342	27	1095	0	0	1526
Micronutrients	20	93	46	0	38	14	6	217
Gypsum/Lime	0	0	2	0	0	1	39	42
Compost	0	1855	0	0	0	0	0	1855
TOTALS	11,734	7,176	20,061	34,013	69,462	5,010	15,307	162,763

MONTANA DEPARIMENT OF AGRICULTURE
FERTILIZER AND FERTILIZER MATERIAL SOLD IN MONTANA
FOR THE YEAR
1991

MATERIAL	JAN-JUNE	JULY-DEC	TOTAL
Anhydrous Ammonia	12604	34202	46806
Ammonium Nitrate	41114	9830	50944
Ammonium Sulfate	8697	3058	11755
Urea	37640	25356	62996
Ammonium Thiosulfate	86	367	453
Nitrogen Sols. 32%	1877	4077	5954
Nitrogen Sols. 28%	1420	2104	3524
Phosphorus Materials	3368	1715	5083
Phosphoric Acid	2164	1676	3840
Potash Material	17472	7470	24942
Sulfur	270	227	497
Sulfuric Acid	311	76	387
DAP 18-46-0	17644	18743	36387
MAP 11-52-0	41678	38830	80508
APS 16-20-0	5942	2282	8224
10-34-0	2073	1583	3656
2-1-0 Ratios	4210	4247	8457
1-1-0 Ratios	1681	1357	3038
1-1-1 Ratios	1189	1923	3112
Other Blends	2142	1526	3668
Micronutrients	257	217	474
Gypsum/Lime	166	42	208
Compost	2103	1855	3958
TOTAL	206108	162763	368871
TOTAL NITROGEN	55,440	55,816	111,257
TOTAL P_2O_5	35,554	32,703	68,258
TOTAL K_2O	10,697	4,635	15,332

MONTANA DEPARTMENT OF AGRICULTURE
PLANT INDUSTRY DIVISION
AGRICULTURE/LIVESTOCK BLDG.
CAPITOL STATION
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